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FILE COVERS 1907 - 8 Nov 2008 VOL 149 ISS 20 FILE LAST UPDATED: 7 Nov 2008 (20081107/ED)

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100.0% PROCESSED 69 ITERATIONS 1 ANSWERS SEARCH TIME: 00.00.01

L2 1 SEA SSS FUL L1

1 L2

=> d ibib abs hitstr

L3

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2005:120863 CAPLUS

DOCUMENT NUMBER: 142:219151

TITLE: A preparation of derivatives of cycloalkylidene and

(thio)pyranylidene, useful as estrogen receptor

modulators

INVENTOR(S):
Britton, Jonathan E.; Fang, Jing; Heyer, Dennis;

Miller, Aaron Bayne; Navas, Frank, III; Smalley,

Terrence Lee, Jr.; Zuercher, William J.; Kalamreddy,

Subba Reddy

PATENT ASSIGNEE(S): Smithkline Beecham Corporation, USA

SOURCE: PCT Int. Appl., 189 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

	PATENT NO. KIN									APPLICATION NO.						DATE			
	WO	2005012220 2005012220 2005012220 2005012220				A2 A3		20050210 20050324		WO 2004-US24308									
		W:	AE, CN, GE, LK, NO, TJ,	AG, CO, GH, LR, NZ, TM,	AL, CR, GM, LS, OM, TN,	AM, CU, HR, LT, PG, TR,	AT, CZ, HU, LU, PH,	AU, DE, ID, LV, PL,	AZ, DK, IL, MA, PT, UA,	DM, IN, MD, RO, UG,	DZ IS MG RU US	, BG, , EC, , JP, , MK, , SC, , UZ,	EE, KE, MN, SD, VC,	EG, KG, MW, SE, VN,	ES, KP, MX, SG, YU,	FI, KR, MZ, SK, ZA,	GB, KZ, NA, SL, ZM,	GD, LC, NI, SY, ZW	
		R₩:	AZ, EE, SI,	BY, ES,	KG, FI, TR,	KZ, FR,	MD, GB,	RU, GR,	TJ, HU,	TM, IE,	AT, IT,	, SL, , BE, , LU, , GA,	BG, MC,	CH, NL,	CY, PL,	CZ, PT,	DE, RO,	DK, SE,	
	ΑU	2004261627				A1	A1 20050210				AU 2004-261627					20040727			
	ΑU	2004261627																	
	CA	2533812			A1 20050210			CA 2004-2533812						20040727					
	ΕP	1667955				A2 20060614			EP 2004-779374						20040727				
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR	, IT,	LI,	LU,	NL,	SE,	MC,	PT,	
			IE,	SI,	LT,	LV,	FI,	RO,	CY,	TR,	BG,	, CZ,	EE,	HU,	PL,	SK,	HR		
	BR 2004013013				A		20061003			BR 2004-13013					20040727				
	CN 1856461				Α	A 20061101				CN 2004-80027954					20040727				
	JP 2007500705				T		2007	0118											
	NO 2006000403				A	A 20060206													
	MX 2006PA01094					А	A 20060411				MX 2006-PA1094					20060127			
					A 20070330			0330	IN 2006-KN386					20060221					
	US 20070155839				A1														
	US	2007	0213	348		A1		2007	0913		US 2	2007-	7480	96		2	0070	514	
PRIOR	PRIORITY APPLN. INFO.:											2003-					0030	728	
												2004-					0040		
												2007-					0070	215	

OTHER SOURCE(S): CASREACT 142:219151; MARPAT 142:219151

GI

AB The invention relates to a preparation of cyclohexane, pyran, or thiopyran of formula I [wherein: Y and Z are independently Ph derivs.; X is 0, S, (CH2)0-3; or C(alkyl)2; R1 and R2 are independently selected from H or alkyl; each R3 is H or both R3s together combine to form a bridging alkylene chain], useful as estrogen receptor modulators. For instance, cyclopentylidene derivative II was prepared via acrylation of  $4-[(4-bromophenyl)(cyclopentylidene)methyl]phenol by tert-Bu acrylate and subsequent hydrolysis (yields: acrylation - 74%). The compds. of present invention exhibited pIC50 values ranging from 10 <math display="inline">\mu M$  to 1 nM (competition binding assay).

IT 843661-24-5P

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

ΙI

(preparation of cycloalkylidene and (thio)pyranylidene derivs. useful as estrogen receptor modulators)  $\ \ \,$ 

RN 843661-24-5 CAPLUS

CN Benzoic acid, 4-[(4-hydroxyphenyl)(3,3,5,5tetramethylcyclohexylidene)methyl]- (CA INDEX NAME)